




[PubMed](#)
[Nucleotide](#)
[Protein](#)
[Genome](#)
[Structure](#)
[PMC](#)
[Taxonomy](#)
[OMIM](#)
[Books](#)

Search for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

Range: from to Features: ☐ SNP ☐ CDD ☒ MGC ☐ HPRD

☐ 1: [CAA63483](#). Reports lipoxxygenase [Cuc...[gi:1296512]

[BLink, Domains,](#)
[Links](#)

LOCUS CAA63483 878 aa linear PLN 18-MAR-2001
DEFINITION lipoxxygenase [Cucumis sativus].
ACCESSION CAA63483
VERSION CAA63483.1 GI:1296512
DBSOURCE embl locus CSLBLOX, accession [X92890.1](#)
KEYWORDS .
SOURCE Cucumis sativus (cucumber)
ORGANISM Cucumis sativus
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
 rosids; eurosids I; Cucurbitales; Cucurbitaceae; Cucumis.
REFERENCE 1
AUTHORS Hohne,M., Nellen,A., Schwennesen,K. and Kindl,H.
TITLE Lipid body lipoxxygenase characterized by protein fragmentation,
 cDNA sequence and very early expression of the enzyme during
 germination of cucumber seeds
JOURNAL Eur. J. Biochem. 241 (1), 6-11 (1996)
MEDLINE [97054584](#)
PUBMED [8898881](#)
REFERENCE 2 (residues 1 to 878)
AUTHORS Kindl,H.
TITLE Direct Submission
JOURNAL Submitted (10-NOV-1995) H. Kindl, FB Chemie, Universitat Marburg,
 Hans-Meerwein-Strasse, D- Marburg, FRG
FEATURES Location/Qualifiers
 source 1..878
 /organism="Cucumis sativus"
 /db_xref="taxon:3659"
 /clone="pCSLBLOX221"
 /tissue_type="cotyledones"
 /clone_lib="pSPORT 1"
Protein 1..878
 /product="lipoxxygenase"
 /EC_number="1.13.11.12"
CDS 1..878
 /coded_by="X92890.1:48..2684"
 /db_xref="UniProt/TREMBL:Q42710"

ORIGIN

```

1 mfgigkniie galnttgdl a gsvinaggni ldrvsslgnn kikgkvilmr snvldftefh
61 snlldnftel lggvvsfqli sathtsndsr gkvgnkayle rwltsipplf agesvfqinf
121 qwdenfgfpg affiknghts efflksltld dvpgygrvhf dcnswwypsg rykkdriffa
181 nhvylpsqtp nplrkyreee lwnlrgdgtg erkewdriyd ydvynadiap dvgdhrpilg
241 gtteypyprrr grtgrprsr dhnyesrlsp imslldiyvpk denfghlkms dflgytlkal
301 sisikpglqs ifdvtpnefd nfkevndlfe rgfpipfnaf ktltdltp lfkalvrndg
361 ekflkfptpe vvkdnkigws tdeefareml agpnpllirr leafpptskl dpnvvygnqns
  
```

```
421 titeehikhg ldgltvdeam kqnrlyivdf hdalmpyltr mnatstktya trtllllkdd
481 gtlkplviel alphpqgdql gaisklyfpa engvqksiwq lakayvtvnd vgyhqlishw
541 lhthavlepf viathrqslv lhpikhllvp hykdtmfina sarqvlinan glietthyps
601 kysmelssil ykdwtfpdqa lpnnlmkrgl avedssaphg lrlindypf avdgldiwsa
661 iktwvqdycc lyykddnavg ndfelqswwn elrekghadk khepwwpkmq tseliesct
721 tiiwiasalh aavnfggypy ggyilnrptt srrfmpevgt aeykelesnp ekaflrtics
781 elqalvsisi ieilskhasd evylgqrasi dwtsdkiale afekfgknlf evenrimern
841 kevnlnkrsg pvnlpvtllv pssnegltgr gipnsisi
```

//